



Engineers are Needed

NYSSPE is a member of the NYS STEM Education Collaborative, Inc. The Collaborative is soliciting help from engineers to bring STEM (Science, Technology, Engineering, and Mathematics) to K-12 teachers and students. Engineers work with the STEM disciplines every day while solving problems. Your experiences can prove to be extremely enlightening and helpful for educators

The Collaborative annually presents a STEM Summer Institute bringing together teachers, professors and industry to teach teachers how to integrate the four subjects in a hands-on class. We are asking engineers, and you don't need to be a Professional Engineer, to assist in this endeavor.

There are many ways for engineers to get involved. The first four are related to the STEM Summer Institute.

1. **Presentation:** Present an engineering topic from your experience, highlighting the use of the four subjects. This can be one or two hours. ([link to proposals](#))
2. **Poster:** Discuss an engineering concept in a poster. This gives the engineer to share on a one to one basis in a more relaxed situation. ([link to proposals](#))
3. **Plenary Panel:** Several STEM colleagues share their thoughts and experiences with the entire assembly based on formulated questions.
4. **Sponsorship:** A company or individual can sponsor the STEM Institute at various levels. This can give you an opportunity to reach other STEM professional and bring more teachers to the Institute. ([link to sponsorship](#))

It is critical for engineers to help students and teachers develop critical relevant thinking. Starting with simple concepts, engineers can use classroom demonstrations. Using these concepts can then transition to describing what careers are possible in engineering. Teachers can use this time to learn more about engineering. It is important to integrate this instruction into the regular classroom and not add to the teacher's workload.

The 2020 STEM Summer Institute ([hot link to Institute page](#))

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